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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/688,134	10/16/2000	Kanji Nakanishi	Q60940	9987

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Washington, DC 20037-3213

EXAMINER

KJANERSI, MITRA

ART UNIT	PAPER NUMBER
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2143

DATE MAILED: 01/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/688,134

Applicant(s)

NAKANISHI, KANJI

Examiner

mitra kianersi

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 October 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 October 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☒ Certified copies of the priority documents have been received in Application No. 11-294128.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Claims 1-12 are examined.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shimizu (US Patent No. 5,987,230) and further in view of Yokomizo et al. (US Patent No. 6,321,266).

1. As per claim 1, Shimizu teach a network data terminal for printing information obtained from a network comprising:

- a printer that is connectable to or incorporated into the data terminal, and is capable of printing on opposite sides of a recording sheet; (two-side printing control, col 1, lines 62-63)

- a memory device for storing ad data received from the network; (storing output data based on the intermediate data generated by the generation means, col 3, lines 32-33)

- a device for allowing a user of the data terminal to choose whether to print the ad data on the same side of a recording sheet as the information or on the opposite side from the information; (corresponds to two-side printing control, col 1, lines 62-63)

- a print control device that produces print image data for one side or for both sides from the information and the ad data in accordance with which side of the recording sheet the ad data is to print, and controls the printer in accordance with the print image data; (consequently the user can utilize the information processing

apparatus with default setting matching the loaded memory size, and can also control the memory size for printing by the setting from the operation panel or by the job controlling language, col 16, lines 64-67)

Shimizu does not explicitly teach a charge modification data sending device for sending data for modifying charge for provision of the information in accordance with amount of ad data printed with the information. However, Yokomizo et al. teach a Centronics I/F controller which performs an I/F control for connecting a printer with a modified Centronics type I/F. (col 17, lines 19-20)

Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention was made to incorporate Yokomizo et al. to Shimizu to the efficiency of utilization of the memory can be improved and the optimum memory configuration can be realized.

2. As per claim 2, Shimizu teach a network data terminal:

- a device for allowing the user to designate categories of the ad data to print with the information; (the designation of the memory configuration can be selected according to the environment of utilization by the user. col 18, lines 6-11)

- a sorting device for sorting out those ad data relating to the designated categories, for use in producing the print image data. (the mask objects are sorted and formed into a link list as shown in FIG. 19. Col 13, lines 46-47)

3. As per claim 3, Shimizu teach a network data terminal ,further comprising a device for allowing the user to select the amount of ad data to print with the information, wherein the charge is modified in accordance with the selected printing amount of ad data.

Shimizu does not explicitly teach a charge modification data sending device for sending data for modifying charge for provision of the information in accordance with amount of ad data printed with the information. However, Yokomizo et al. teach a Centronics I/F controller which performs an I/F control for connecting a printer with a modified Centronics type I/F. (col 17, lines 19-20)

Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention was made to incorporate Yokomizo et al. to Shimizu to the efficiency of utilization of the memory can be improved and the optimum memory configuration can be realized.

4. As per claim 4, Shimizu teach a network data terminal for printing information obtained from a network comprising:

- a printer that is connectable to or incorporated into the data terminal, and is capable of printing on opposite sides of a recording sheet; two-side printing control, col 1, lines 62-63)

- a memory device for storing ad data received from the network; (storing output data based on the intermediate data generated by the generation means, col 3, lines 32-33)

- a sorting device for detecting a category of the information to print, and automatically sorting out those ad data relating to the category of the information; (corresponds to the mask objects are sorted and formed into a link list as shown in FIG. 19. Col 13, lines 46-47)

- a print control device that produces print image data from the information and the ad data sorted by the sorting device, and controls the printer in accordance with the print image data; and (the mask objects are sorted and formed into a link list as shown in FIG. 19. Col 13, lines 46-47)

Shimizu does not explicitly teach a charge modification data sending device for sending data for modifying charge for provision of the information in accordance with amount of ad data printed with the information. However, Yokomizo et al. teach a Centronics I/F controller which performs an I/F control for connecting a printer with a modified Centronics type I/F. (col 17, lines 19-20)

Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention was made to incorporate Yokomizo et al. to Shimizu to the efficiency of utilization of the memory can be improved and the optimum memory configuration can be realized.

5. As per claim 5, Shimizu teach a network data terminal further comprising
-a device for allowing a user of the data terminal to choose whether to print the ad data on the same side of a recording sheet as the information or on the opposite side from the information, wherein the print control device produces print image data for one side or for both sides in accordance with which side of the recording sheet the ad data is to print. (corresponds to two-side printing control, col 1, lines 62-63)

6. As per claim 6, a network data terminal further comprising a device for allowing a user of the data terminal to select the amount of ad data to print with the information, wherein the charge is modified in accordance with the selected printing amount of ad data.

Shimizu does not explicitly teach a charge modification data sending device for sending data for modifying charge for provision of the information in accordance with amount of ad data printed with the information. However, Yokomizo et al. teach a Centronics I/F controller which performs an I/F control for connecting a printer with a modified Centronics type I/F. (col 17, lines 19-20)

Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention was made to incorporate Yokomizo et al. to Shimizu to the efficiency of utilization of the memory can be improved and the optimum memory configuration can be realized.

7. As per claim 7, Shimizu teach a printing method for printing information obtained from a network by use of a printer that is connectable to or incorporated into a data terminal of the network, the method comprising the steps of:

- storing ad data received from the network; storing output data based on the intermediate data generated by the generation means, col 3, lines 32-33)

- detecting a category of the information to print;

- sorting out those ad data relating to the category of the information; (the mask objects are sorted and formed into a link list as shown in FIG. 19. Col 13, lines 46-47)

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-printing the sorted ad data along with the information; (corresponds to a printing job, col 7, line 25)

Shimizu does not explicitly teach a modifying charge for provision of the information in accordance with the amount of ad data printed with the information. However, Yokomizo et al. teach a Centronics I/F controller which performs an I/F control for connecting a printer with a modified Centronics type I/F. (col 17, lines 19-20)

Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention was made to incorporate Yokomizo et al. to Shimizu to the efficiency of utilization of the memory can be improved and the optimum memory configuration can be realized.

8. As per claim 8, Shimizu teach a printing method, wherein the information obtained from the network is printed on an obverse side of a recording sheet, whereas the ad data is printed on a reverse side of the recording sheet. (two-side printing control, col 1, lines 62-63)

9. As per claim 9, Shimizu teach a printing method, further comprising the step of designating the amount of ad data to print with the information. (the mask objects are sorted and formed into a link list as shown in FIG. 19. Col 13, lines 46-47)

10. As per claim 10, Shimizu teach a printing method for printing information obtained from a network by use of a printer that is connectable to or incorporated into a data terminal of the network, the method comprising the steps of:

-storing ad data received from the network; (storing output data based on the intermediate data generated by the generation means, col 3, lines 32-33)

-printing the information on an obverse side of a recording sheet, while printing the ad data on a reverse side of the recording sheet; and two-side printing control, col 1, lines 62-63)

Shimizu does not explicitly teach a modifying charge for provision of the information in accordance with the amount of ad data printed with the information. However, Yokomizo et al. teach a Centronics I/F controller which performs an I/F control for connecting a printer with a modified Centronics type I/F. (col 17, lines 19-20)

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Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention was made to incorporate Yokomizo et al. to Shimizu to the efficiency of utilization of the memory can be improved and the optimum memory configuration can be realized.

11. As per claim 11, Shimizu teaches a printing method, further comprising the step of designating categories of the ad data to print with the information. (the designation of the memory configuration can be selected according to the environment of utilization by the user, col 18, lines 6-11)

12. As per claim 12, Shimizu teaches a printing method further comprising the step of designating the amount of ad data to print with the information. (the designation of the memory configuration can be selected according to the environment of utilization by the user, col 18, lines 6-11)

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mitra Kianersi whose telephone number is (703) 305-4650. The examiner can normally be reached on 7:00AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (703) 308-5221. The fax phone number for the organization where this application or proceeding is assigned is (703) 746-9923.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Mitra Kianersi
Jan/09/2004


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